

# Fruitland CBM Recovery Based on the Adsorption Isotherm

## COMMON INPUT DATA

Current Area, acres/well	320
Average Thickness, ft	20
Langmuir Pressure, psia	792
Langmuir Volume, scf/ton	1040
Average Coal Density, tons/acre-ft	1800
Initial Potentiometric Elev., ft MSL	5100

## 3 PRESSURE CASES CONSIDERED

	Min P	Avg P	High P
Structural Elev., ft MSL	4750	4550	4450
Computed Initial Pressure, psia	164	251	294
Computed Gas Content, scf/ton	178	250	281
Initial Gas in Place, Bcf/320 acres	2.06	2.88	3.24

Avg. Reservoir Pressure at Abandonment, psia	25	Recovery Eff., % IGIP	82%	87%	89%
		EUR, Bcf/320	1.69	2.51	2.88
	50	Recovery Eff., % IGIP	65%	75%	78%
		EUR, Bcf/320	1.34	2.17	2.53
75		Recovery Eff., % IGIP	50%	64%	68%
		EUR, Bcf/320	1.02	1.84	2.21

BEFORE THE  
OIL CONSERVATION DIVISION

Case No. 12734 Exhibit No. C6

Submitted By:

*Richardson Operating Company*

Hearing Date: November 11, 2001